

SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY

REQUEST FOR PROPOSAL Underground Rail Locomotive Replacement

Request for Proposal Posted:	July 27 th , 2021
Pre-Registration Mandatory Site Visit	August 5 th , 2021
Mandatory Site Visit:	August 10 th , 2021(9:00 -11:00)
Questions Submitted:	August 13 th , 2021
Questions & Answers Posted:	August 18 th , 2021
Proposals Due:	August 27 th , 2021

The South Dakota Science and Technology Authority (SDSTA) is seeking proposals to replace existing rail infrastructure with new rail in the underground workings at the Sanford Underground Research Facility (SURF), located in Lead, South Dakota.

1.0 SCOPE

On the 1700 Level underground at the Sanford Underground Research Facility, a portion of the rail needs to be replaced and installed with new. A total 500 linear feet of rail will be guaranteed for this scope or work, with a potential of up to 3,600 linear feet to be added to the contract. A total cost per linear foot should be provided in the estimate for cost comparison. The project schedule will consist of 4-day work week utilizing a 12-hour shift which will be strictly adhered to on nights from 6 PM to 6 AM. Each 4-day work week will consist of a Monday through Thursday and Tuesday through Friday. The scheduled workdays will be provided once the contract has been awarded. The removed rail will need to be replaced and functional by each morning for day shift use.

The work requires the selected contractor to remove the existing rail, ties, and muck from the selected area and dispose of in a designated area. Help from SURF personnel, disposing of waste materials can be negotiated upon request. All Rail, track spikes, linkage hardware will be provided by SURF. All rail wood ties (treated Pine or Douglas Fir cut to 6" x 8" x 42") need to be a line item in the proposal and supplied by the contractor. The wood ties should be treated with .60 ACZA or equivalent treatment. A wood tie is to be placed every 1.5 feet apart or 13 wood ties per 20 linear feet. Each rail joint will have a tie centered at that location, and one on each side. Typical rail layout design and work area will be provided at site walk through. The contractor will need to supply all equipment and tools necessary to complete the work. All rails will be provided in 20-foot sections with holes pre-drilled for attachment.

The SURF underground workings are accessed by a shaft that hoists a cage, (semi-open elevator). The cage is lowered and raised at specific times of the day. Important cage times for this project are: (These cages times are important for scheduling access to the various underground project sites/levels).

Down
6:00 PM

UP
6:00 AM

The initial starting point is located roughly a half an hour away from the 1700L shaft station with an additional 5-minute cage ride from the surface to the 1700L station. Rail locomotives can be rented from SURF if needed.

The contractor will be required to have one or more crew members guide trained, usually a three day process. The selected contractor will be required to have all employees working on the project attend an eight-hour safety training prior to starting work. This training will be provided by SDSTA. SDSTA will provide underground Personal Protective Equipment (PPE) that includes a self-rescuer, lights and a mine belt; all other required PPE will be supplied by the contractor, such as safety toe boots, reflective vest, safety glasses, gloves, and hard hat. Note: personnel underground must not wear shorts or cut-off sleeves.

2.0 PROPOSAL INSTRUCTIONS

The awarded contract will be based on a low price technical acceptable procurement. Your proposal should be provided in digital format, as a pdf file, with standard letter size format. Proposals must contain the following:

2.1 Contact information, including an email address, for the Contractor's designated contact person who can receive and distribute Request for Proposal (RFP) information.

2.2 Contractor description and evidence of qualifications to address the scope described in this document. Provide three examples of projects performed that demonstrate the qualifications and competence for each of the disciplines/requested areas of expertise.

2.3 Resumes for all key project staff to include:

- Experience with similar relevant projects.
- Qualifications, including training and certification.

2.4 Provide a description of your safety program and quality control (QC) programs. Explain how your safety and QC programs will be implemented for this project.

2.5 Safety records for the past three years (incident/injury records, OSHA 300 logs and EMR data)

2.6 Exceptions to the draft contract or other RFP materials. Disclose any existing relationships and previous work with SDSTA at SURF.

2.7 SDSTA requests that the contractor submits the cost breakdown for the following item:

1. Labor billing rates for specific employees who will perform work.
2. Unit material costs to perform expected work. Assume the contractor will provide all tools and equipment necessary for the project as well as the specified railroad ties.
3. Total cost per linear foot
4. Total project cost
5. Estimated project schedule.
6. Detailed process to remove/replace rail.

All offerors are required to attend a site visit August 10th, from 9:00 a.m. - 11:00 p.m. MT at SURF, 630 East Summit Street, Lead South Dakota. Pre-registration is required, email mbaumann@sanfordlab.org by close of business August 5th, 2021 to receive instructions and directions. Only companies represented at the site visit will be eligible to submit proposals.

Please direct all questions in writing to Michele Baumann at mbaumann@sanfordlab.org by close of business August 13th, 2021. Questions and answers will be posted as an amendment to this RFP by 5:00 p.m. MT August 18th, 2021.

Submit one electronic copy (.pdf format) of the quotes no later than 2:00 p.m. August 27th, 2021, to: mbaumann@sanfordlab.org. Late submissions will not be accepted.

The quote period may be extended at the discretion of SDSTA based on the quantity and/or complexity of questions. Any notices of extension of time to respond will be distributed to all prospective offeror by SDSTA.

All communications regarding this procurement between RFP release and contract award shall be directed by email to mbaumann@sanfordlab.org. Communications with other SDSTA staff regarding this procurement in advance of the contract award are not allowed.

3.0 GENERAL REQUIREMENTS

The rail replacement project involves several requirements that are set by the SDSTA and must be completed.

1. All contractor personnel must attend 1 day in-class safety training that is provided on-site by SDSTA.
2. Contractor will be required to have a minimum of one crew member to be guide trained by attending an additional 3-day safety training provided by SDSTA. Note, the person being trained must be always present at the job location when work crews are underground.
3. Contractor will be required to perform a Job Hazard Analysis (JHA), that will be reviewed/approved by SDSTA Project Manager and SDSTA ESH Team prior to beginning work.
4. All contractor personnel are required to wear and use the proper PPE while on site.
5. Contractor must supply SDSTA with a basic project schedule once contract has been approved.
6. All deliveries and waste pickups made by the contractor must be coordinated with SDSTA Project Manager at least one week prior to delivery/pickup.
7. Contractor is responsible for transporting all materials and tools needed to complete the project to the headframe. SDSTA will transport materials and tools to the shaft station and the contractor will be responsible for transporting it to the job location.
8. Contractor will be responsible for supplying all equipment and materials necessary to complete the SOW besides what SDSTA stated they will supply.
9. Contractor will adhere to a 4-day work week that is represented by every other four day weekend, with Friday and Monday as no access days.
10. Contractor must work within the schedule cage times for the Yates Shaft for travel to

and from the job site:

Down

6:00 PM

UP

6:00 AM

11. Contractor must ensure equipment and loads are less than 10,00 pounds and will fit on the Yates cage.
12. Contractor must coordinate all underground loads with SDSTA prior to arrival.
13. Contractor and SDSTA Project Manager will hold a weekly progress meeting.